

H.A.A.U.G.



HOUSTON AREA APPLE USERS GROUP

THE APPLE BARREL

*** SINGLE COPY PRICE \$1.50 ***

VOLUME 4 NO. 2

APRIL 1981

President, Bruce Barber

Vice President, Mike Kramer

Editor Emeritus, Ed Seeger

Editor pro tem, Ray Essig

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Houston Area Apple Users Group
APPLE BARREL
4331 Nenana Drive
Houston, TX 77035

The HOUSTON AREA APPLE USERS GROUP is an Apple II user club, not affiliated with Apple, Inc., or with any retail computer store. HAAUG is a member of the International Apple Core and supports its purposes and publications. General membership meetings are held on the second Thursday of each month in the rear chapel of Memorial Lutheran Church, 5800 Westheimer, right by the Jungman Branch Library and west of Chimney Rock. They start at 6:30 p.m. An additional meeting for access to the club software library, problem-solving, and various lectures is held the last Saturday of each month at the University of Texas School of Public Health (in the Medical Center), 6905 Bertner off Holcomb, across from Medical Center entrance #5. We meet on the main floor, first room on the left. Parking is adjacent to the building. These Saturday meetings begin at 2:00 p.m. Bring your Apple if you like!

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OFFICERS / EXECUTIVE BOARD

President	Bruce Barber	469-5805
Vice President	Mike Kramer	358-6687
Treasurer	Ray Essig	497-7165
Secretary	Paul Maddock	783-1521
Software Lib.	Dennis Cornwell	774-0671
Hardcopy Lib.	Larry Baumann	498-3433
Hardware Chair	Charles Yust	783-5321
Business Uses	Rudge Allen	622-3979
Membership	Lee Gilbreth	342-2685
Newsletter Ed.	Ed Seeger	723-6919

MEMBERSHIP INFORMATION

Dues are \$18.00 per 12-month period for regular memberships, \$6.00 for students through high school and where no adult member of the family is an Apple user. Please make checks payable to "Houston Area Apple Users Group," and mail to Lee E. Gilbreth, Membership Chair, 3609 Glenmeadow, Rosenberg, TX 77471. This includes a subscription to APPLE BARREL, which is published nine times a year. Newsletter exchanges with similar clubs are invited.

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SPECIAL INTEREST GROUPS

Members who share a common interest are encouraged to form Special Interest Groups to more fully explore their fields. Meetings may be arranged by common consent of the group and will ordinarily have one member who serves to coordinate or convene the meetings. If you would like to start a group around any given interest, please contact one of the club officers. If you would like to be in touch with others who share one of the following interests with you, please phone the coordinator.

Current groups are:

- 1) BUSINESS APPLICATIONS
Coordinated by Rudge Allen,
622-3979
- 2) PASCAL USERS
Pat McGee coordinating,
663-6806
This Special Interest Group is to meet and discuss aspects of Apple's Pascal language and to exchange programs.
- 3) MODEM USERS
Herb Crosby coordinating,
497-1061
- 4) HAM RADIO OPERATORS
Coordinated by Ed Seeger, WB5PTW
723-6919
Apple Net, 14.330 MHz, Sundays at 7:00 p.m. C.S.T. Worth monitoring! WB7TRQ, Jim, net control.
- 5) NEW MEMBERS
Coordinated by Lee Gilbreth,
342-2685
- 6) EDUCATIONAL APPLICATIONS
Coordinated by Darrell Kachilla,
498-0186
- 7) BEGINNERS' PROGRAMMING
Coordinated by John C. Whiteman,
974-7287 (home)
This Special Interest Group is to meet and discuss Integer Basic and Applesoft.
- 8) FILE CABINET
Coordinated by Lee Gilbreth,
342-2685
Purpose is to understand, expand and enhance the File Cabinet program.
- 9) SCIENTIFIC PROGRAMMING
Coordinated by Martin Edelstein
729-4199
Includes Forth language group. Meets at 12:00 noon last Sat. of month, same location as Sat. meeting.

APPLE BULLETIN BOARD SYSTEM

The Houston Area Apple Users Group supports an ABBS evenings and weekends, 6:00 pm through 8:30 am, and all weekend long. Feel free to sign-on and place your want-ad, meeting notice, request for help, Aggie joke, etc. Any ASCII terminal, Apple computer or not, with suitable modem or coupler, will give you ABBS capability. Note that our ABBS now has download capability! Please sign off properly with 'G' command. Call

713/654-0759

SYSOP is Rudge Allen, 622-3979.

FINANCIAL REPORT

=====

Balance December 31, 1980	3879.71
INCOME: Dues, Str Kts, Mag	1928.75
Disk Sales - net	159.00
Memory Chips - net	34.60

TOTAL INCOME	6002.06

EXPENSES: Meeting Room	105.00
OEM Bal on Prep	3595.20
Miscellaneous	47.14

TOTAL EXPENSES	3747.34

Balance February 28, 1981 2254.72

NOTE: Most income is derived from annual dues although APPLE BARREL expenses will normally digest 1/2 of that income. The OEM figure represents 'float' and should net to a zero on an annual basis.

Ray Essig, Treasurer

HAAUG, INC

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The Houston Area Apple Users Group was incorporated in the State of Texas as a non-profit organization on the 27th Day of February 1981.

We have applied for Federal Tax Exempt status.

--- A MESSAGE FROM YOUR CLUB PRESIDENT ---

I HAVE BEEN YOUR PRESIDENT FOR 15 MONTHS AT THE END OF MARCH. IN THAT TIME I HAVE SEEN US GROW FROM A MEMBERSHIP OF 135 TO OVER 430. OUR TREASURY BALANCE WHEN I TOOK OVER WAS \$ -450.00 AND NOW IS ABOUT \$4500. LIKEWISE IN THE PAST YEAR OUR EXPENSES HAVE INCREASED BOTH IN REAL TERMS AND BECAUSE OF INFLATION. WE ALSO PROVIDE MANY TIMES MORE SERVICES TO OUR MEMBERS. THE SERVICES WHICH HAVE BEEN INSTITUTED IN THE LAST YEAR INCLUDE SUCH THINGS AS DISKETTE SALES, EQUIPMENT DISCOUNTS, A VAST SOFTWARE LIBRARY, A HARDCOPY LIBRARY AND CLASSES IN PROGRAMMING. THESE THINGS AND MANY MORE MAKE OUR CLUB AN IMPORTANT PART OF THE "APPLE EXPERIENCE". ALTHOUGH OUR CLUB HAS GROWN SIGNIFICANTLY IN MEMBERS AND SERVICES, IT HAS NOT ALWAYS BEEN A SMOOTH AND ORDERLY GROWTH. THE PRINCIPLES WHICH WE USED TO GOVERN AND RUN THE CLUB A YEAR AGO CANNOT ALL BE READILY APPLIED TO A CLUB OF 450.

A YEAR AGO WHEN MEMBERSHIP WAS UNDER 200, WE HAD ABOUT FOUR PEOPLE WHO DID 90% OF THE WORK. TODAY WE HAVE A VAST AMOUNT OF WORK AND YET THERE ARE ONLY ABOUT 7 PEOPLE DOING 90% OF THE WORK FOR ALL 430 OF YOU!! AT EVERY MEETING I HEAR PEOPLE WHO SUGGEST THAT WE TAKE ON NEW PROJECTS SUCH AS PUBLISHING LISTS OF MEMBERSHIP EXPERTISE, WHO HAS WHAT EQUIPMENT, MORE CLASSES, A PRINTER AT THE SATURDAY MEETINGS, A FINANCIAL STATEMENT, ETC, ETC, ETC. EACH OF THESE SUGGESTIONS HAS MERIT AND YET EACH SUGGESTION REQUIRES TIME AND EFFORT BY AN ALREADY OVERWORKED GROUP OF OFFICERS AND COMMITTEE CHAIRMEN. TO OVERCOME THIS LACK OF PEOPLE WORKING WITHIN THE CLUB WE HAVE ASKED FOR HELP FROM THE MEMBERSHIP AND THE NUMBER OF PEOPLE WHO SAID THEY WOULD HELP WAS GRATIFYING AND YET WE STILL HAVE A WORKER SHORTAGE. THE REASON FOR THIS SHORTAGE IS SOMEWHAT UNDERSTANDABLE. FIRST IT IS HUMAN NATURE TO SIGN UP FOR THESE WORTHWHILE TASKS AND YET WHEN WE ARE ACTUALLY ASKED TO SPEND SOME TIME DOING SOMETHING, THERE ARE ALWAYS TEN OTHER TASKS COMPETING FOR OUR TIME. SECONDLY, MANY OF THESE PROJECTS REQUIRE THAT YOU ATTEND MEETINGS FAITHFULLY, SOME PEOPLE HAVE PROBLEMS DOING THAT. ANOTHER THING THAT HAPPENS IS SOME OF YOU FEEL THAT YOU LACK THE EXPERTISE NEEDED TO ACCOMPLISH A CLUB JOB. FOR SOME JOBS THIS MAY BE A VALID REASON. LASTLY, MANY ARE WILLING TO DO SUCH THING AS STAPLE NEWSLETTERS OR BRING DISK DRIVES TO MEETINGS BUT WHAT WE NEED ARE MEMBERS WHO WILL TAKE A JOB AND COORDINATE THE EFFORTS OF OTHERS OR HANDLE THE WHOLE THING THEMSELVES. THESE ARE THE PEOPLE MOST VALUABLE AND SOUGHT AFTER AND THE HARDEST TO FIND. SO UNTIL WE GET MORE OF YOU WHO ARE WILLING TO HANDLE A COMPLETE TASK WE CAN DO ONLY TWO THINGS, AVOID TAKING ON NEW TASKS OR PAY TO HAVE TASKS COMPLETED. IN REALITY, WE ARE TRYING TO DO BOTH METHODS.

AT OUR LAST EXECUTIVE MEETING HELD ON MARCH 16, 1981 WE DISCUSSED THESE PROBLEM AREAS. THE FOLLOWING IS A CAPSULE OF THE TOPICS DISCUSSED AND THE DECISIONS ARRIVED AT.

++ ED SEEGER IS QUITTING AS EDITOR OF THE APPLE BARREL. I HAVE BEEN ABLE TO LOCATE A PUBLISHER (NOT A CLUB MEMBER) WHO WILL HELP PUBLISH THE NEWSLETTER AND QUARTERLY MAGAZINE. RAY ESSIG HAS VOLUNTERED TO ACT AS THE CLUB NEWSLETTER AND MAGAZINE COORDINATOR. WE WILL HIRE SOMEONE TO HELP DO CLERICAL TASKS FOR THE NEWSLETTER AND WE WILL PAY FOR FEATURE ARTICLES PRINTED IN THE MAGAZINE. IF WE FIND THAT THE NEWSLETTER IS TOO TIME CONSUMING, WE WILL SWITCH TO A QUARTERLY MAGAZINE ONLY.

CONTINUED NEXT PAGE

++ SINCE PEOPLE WANT MORE CLASSES IN PROGRAMMING AND OTHER ASPECTS OF THE APPLE, WE SHOULD PAY INSTRUCTORS FOR DEVELOPING AND PRESENTING THESE CLASSES. THE CLASS COSTS WILL BE RECOVERED BY SELLING PRINTED MATERIAL NEEDED IN THE CLASSES.

++ THE PRICE OF DISKETTES SOLD IN THE CLUB IS TOO LOW TO COVER THE COSTS INVOLVED. WE WILL HAVE TO INCREASE THE PRICE TO \$35.00 FOR 10 SCOTCH DISKETTES.

++ WE NEED A DISK DRIVE WHICH IS OWNED BY THE CLUB AND USED FOR THE SOFTWARE EXCHANGE. A DRIVE WILL BE PURCHASED BY THE CLUB. THE COST OF THE SOFTWARE EXCHANGE IS INCREASING DUE TO THE SIZE OF IT, THE NUMBER OF COPIES MADE AND THE NUMBER OF DISKETTES WE HAVE TO USE. TO DEFRAY THE COST WE WILL INSTITUTE A \$1.00 CHARGE FOR EACH TURN AT COPYING 5 DISKETTES.

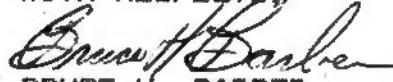
++ THE AMOUNT OF EQUIPMENT WE ARE SELLING WITHIN THE CLUB HAS INCREASED TO THE POINT WHERE WE MUST INSTITUTE A HANDLING CHARGE IF WE ARE TO CONTINUE TO OFFER THIS SERVICE. ALL ORDERS WILL HAVE A 1% HANDLING CHARGE ADDED ON TO THEM.

FOR SOME OF YOU WHO HAVE BEEN IN THE CLUB FOR A YEAR OR MORE, THESE CHANGES PROBABLY APPEAR TO BE A RADICAL CHANGE. HOWEVER, THEY ARE NECESSARY IN A CLUB AS LARGE AS OURS. EACH MONTH WE GROW BY ABOUT 30 NEW MEMBERS WHO EACH NEED THE SAME SUPPORT WE NEEDED WHEN WE FIRST GOT OUR COMPUTERS. AT THE SAME TIME WE HAVE A LARGE GROUP WHO HAVE ADVANCED TO MANY INTERMEDIATE AND ADVANCED STAGES AND ARE NOW READY FOR US TO PROVIDE DIVERSE AND SOPHISTICATED SERVICES. HOW CAN WE PLEASE ALL OF YOU?

WE ENCOURAGE YOU TO HELP US SOLVE THE PROBLEMS OF GROWTH. BUT REMEMBER ANY SOLUTIONS MUST INCLUDE THE PEOPLE TO IMPLEMENT THEM. IF YOU WANT TO DISCUSS THESE THINGS WITH THE OFFICERS, COME TO THE THURSDAY MEETING IN APRIL AND WE WILL PROVIDE A FORUM FOR YOUR IDEAS.

THE PAST YEAR HAS BEEN ONE OF SHARING INFORMATION AND EXPERIENCING THE COMMARADERIE OF OUR COMMON INTEREST. WE HOPE THAT WE CAN CONTINUE TO BE THE FORUM FOR ALL OF YOU TO SHARE IN THE "APPLE EXPERIENCE".

WITH RESPECTS,


BRUCE H. BARBER
PRESIDENT

SON OF AFILE CABINET !

FILE CABINET continues to be a program which holds great interest among many members of HAAUG. For most, it has been one's first experience with a Data Base program. The price was right; it was a swap from the Software Library or it came as part of the Starter Kit. It was fun to experiment with and for some, it has been put into practical use- making household inventories, Christmas card lists, etc. For others though, it has been a source of frustration- data files messed up after hours of input, unresponsive printers, etc. Yet we keep trying to get the program to work better, realizing its potential and understanding enough of its structure to make useful alterations.

Last September, a FILE CABINET Special Interest Group was started and the first donations of FILE CABINET-related programs were presented to the club. Reprinted here is one of those programs, a tutorial called FILE CABINET EVOLUTION, which set the stage of development of FILE CABINET at that time:

JRUN

FILE CABINET EVOLUTION

THE ORIGINAL FILE CABINET PROGRAM (REFERRED TO AS FC I) WAS OFFICIALLY DONATED TO THE PUBLIC DOMAIN BY APPLE COMPUTER, INC IN 1978. FIVE PAGES OF INSTRUCTIONS WERE PRESENTED IN VOL 3 OF THE APPLE SOFTWARE BANK TO ACCOMPANY ITS PRESENTATION. NOT LONG AFTERWARD, FILE CABINET "BUGS" WERE DISCOVERED BY APPLE USERS AND VARIOUS FIXES AND NEW VERSIONS OF FILE CABINET BEGAN TO APPEAR.

IN MAY 1979, GARY FOOTE INTRODUCED AN IMPROVED FILE CABINET (WE SHALL CALL IT FC II) IN WHICH HE REWROTE THE SORT ROUTINE TO INCREASE ITS SPEED. HE ADDED A SUMMARY REPORT FEATURE AND CAPABILITY TO REPEAT PREVIOUS DATA ENTRY.
<RETURN>

HE ALSO INSTALLED A "AVG RECORD SIZE" REQUIREMENT TO SECURE MORE MEMORY SPACE TO STORE LARGE RECORD FILES. THIS LATER CHANGE, IN EFFECT, INCREASED THE INDEX OR RECORD FIELD BY ONE MORE HEADER AND MAKES THE TEXT FILE FORMATS UNIQUE TO HIS VERSION ONLY. HENCE ANY RECORDS AND REPORTS SAVED UNDER OTHER FILE CABINET PROGRAMS CAN NOT BE READ OR ADDED TO BY FC II AND VISA VERSA. NEVERTHELESS FC II IS IMPROVED AND WORKS WELL OVER FC I.

BY THE END OF THE YEAR NO LESS THAN THIRTEEN PROBLEMS IN FC I WERE ISOLATED AND REPAIRED BY MEMBERS OF PUGET SOUND (A.P.P.L.E.) CLUB. BESIDES PROGRAM CORRECTIONS IN SOME OF ITS ROUTINES, ADD ONS SUCH AS REPORT PAGE NUMBERS, HEADING BORDERS, ETC WERE PRESENTED. A PROBLEM
<RETURN>
OF MISPRINT AND SUBTLE PROGRAM CONFLICTS PREVENTED CLEAN PUBLICATION OF ALL THE CHANGES.

IN DECEMBER 1979, DICK STEIN CAME OUT WITH HIS VERSION OF FILE CABINET, WHICH WE SHALL CALL FC III. HE SUCCESSFULLY INCORPORATED AT LEAST ELEVEN FIXES TO THE AFOREMENTIONED PROBLEMS. HIS PROGRAM AUTOMATICALLY ADDS DECIMAL CENTS TO ALL REPORT NUMBER TOTALS, RIGHT JUSTIFIES REPORT COLUMNS AND INCLUDES AN ABILITY TO CHANGE HEADER TITLES AT WILL. A GOOD WORKING PROGRAM, FCIII WAS INCLUDED IN THE HAAUG STARTER KIT AS THE REPRESENTATIVE OF FILE CABINET FROM OUR SOFTWARE LIBRARY.
<RETURN>

NELSON CAPES PUBLISHED IN THE MAY '80 ISSUE OF 'CALL APPLE' HIS CONTRIBUTION TO FILE CABINET. ADAPTED TO FC II, CAPES DEVELOPED A MODIFICATION TO EDIT ALL INPUT DATA AGAINST VALIDATION CODES ESTABLISHED AT THE TIME OF HEADER CREATION (HENCE WE'LL CALL IT FCII-VAL).

TO MAKE HIS WORK COMPLETE, HE MADE UP A SEPARATE PROGRAM CALLED 'VALID MAINT' WHICH CREATES A VALID FILE TO MATCH ANY DATA BASE ESTABLISHED EARLIER BY FC II. AS YOU MAY REMEMBER, FC II TEXT FILES ARE UNTO THEMSELVES, YET AS LUCK WOULD HAVE IT, ONLY SLIGHT MODIFICATION WAS NEEDED TO CONVERT 'VAL MAINT-FC II' INTO 'VAL MAINT-FC I'.

<RETURN>

A MONTH LATER, MIKE KRAMER GAVE THE 'APPLE BARREL' A STAND ALONE WORK CALLED 'FILE CABINET STUFFER'. THIS PROGRAM PERMITS GLOBAL REVIEW OF LONG RECORD FILES AND ALLOWS CHANGES TO BE MADE QUICKLY, RATHER THAN HAVING TO GO THRU THE SLOW, SINGLE RECORD SEARCH & CHANGE PROCESS. THIS ROUTINE ADDED ANOTHER PROFESSIONAL ADJUNT TO FILE CABINET.

ALSO DURING THE SUMMER, ANOTHER HAAUG MEMBER, LARRY GEIST, DEVELOPED HIS HERETOFORE UNPUBLISHED RENDITION OF FILE CABINET. NOW LABELED FC IV, HIS MODIFICATIONS ADDED DATES TO REPORTS, RIGHT JUSTIFIES NUMBERS ONLY, DIAPLAYS RECORD SEARCH ACTION, ALLOWS FOR RECORD DATA CORRECTION PRIOR TO COMMITMENT TO DISK AND SEVERAL OTHER FEATURES. HIS PROGRAM WAS TAKEN FROM FC III AND THEREFORE ENJOYS ALL ITS ADVANTAGES.

<RETURN>

BY SEPTEMBER 1980, YET ANOTHER VERSION OF FILE CABINET WAS COMPLETED. THIS AUTHOR ALSO TOOK FC III AND MODIFIED IT. CALLED FC V, IT INCORPORATES EDITING CAPABILITY OF CAPES' VALID, ENABLES FULL MANIPULATION OF HEADERS (ADD, CHANGE OR DELETE), AND MAKES POSSIBLE GLOBAL RECORD CHANGES AS IN 'STUFFER'. IT CAN MAKE BLANKET ARITHMATIC CHANGES TO EXISTING RECORDS AND CUT OUT SELECTED SECTIONS FROM THE RECORD FILE.

MODIFICATIONS AND ADDITIONS TO FILE CABINET CONTINUE TO GROW AS MORE AND MORE APPLE USERS BEGIN TO EXPERIMENT AND UTILIZE THE PROGRAM. BEING SUCH AN OPEN EFFORT, IT IS DIFFICULT TO IDENTIFY AND DISEMINATE INFORMATION ON BUT A FEW OF THEM.

<RETURN>

COPIES OF THE AFOREMENTIONED PROGRAMS ARE GOING INTO THE HAAUG SOFTWARE LIBRARY THIS DATE. LET US HOPE THAT OUR MEMBERSHIP CAN CONTRIBUTE AND ADD TO THE COLLECTION.

-LEE GILBRETH SEPT 1980

Since the report above, HAAUG members have added to the file. Glen Blaha blended FC IV and FC V into an issue of FILE CABINET we shall call FC VI. A particular enhancement was made in the Global Arithmetic feature, whereby the user can mathematically manipulate record data from header to header and from record to record.

More recently, Jim Good found difficulty with FC III in its response to his Anadex printer. His surgery corrected the problem and perfected the printer interface. Noting that each addition to FILE CABINET also lenghtens the program and further restricts memory space needed for file data retention, Good proceeded to optimize FC VII by about 20%.

The FILE CABINET Special Interest Group will be meeting from time to time for discussions and interchange of ideas. Meanwhile, any contributed works of FILE CABINET will be inserted into the Software Library under DATABASE Core Volumes.

< Lee Gilbreth >

HAAUG EDUCATION COMMITTEE REPORT

BY DARRELL KACHILLA

The members of HAAUG interested in educational activities associated with the APPLE II computer recently met, and discussed the projects we could get involved in. These possibilities are listed here. If you have interest in any of these projects, contact Darrell Kachilla (498-0186 evenings). Pass on your ideas too !

Writing programs, or revising already existing educational programs, is obviously a possibility for individuals or groups. Projects devoted toward a particular type of educational area (math, grammar, sports education, science, lab-simulations) or a particular age group (retarded, pre-school, elementary, teenage, college, adult) were suggested. These can be done as a HAAUG committee or in cooperation with education organizations. With proper planning, some of these have commercial possibilities also.

There is a large need for people who know the APPLE II computer and are willing to share this knowledge. Classes for teachers have already been successfully tried, and discussions with REGION IV (the Texas state education agency for this area, handling the APPLE II disguised as a BELL & HOWELL computer) have generated interest there in such classes, as well as getting programs written for them. Volunteers capable of, and willing to offer help on a continuing or as-needed basis to individual schools or school districts should call that organization, or get in touch with me.

By Mike Kramer

The short program listed below is a combination of two capabilities which may be of interest to many of you. The first is a technique to print upper and lower case on an Epson MX-80 printer using keyboard input. The <ESC> key is used to indicate the next should be printed upper case. The next character typed will appear on the screen in inverse video. An <ESC> must be typed for each upper case character. A CTRL E is recognized as an end command.

The "input anything" routine uses the GET command for input rather than INPUT. The main implication is that you can enter commas and colons without getting "extra ignored", etc. Provision is made for handling backspaces without backing off the edge of the screen.

REMS have been left out of the program to maximize speed. The comments below should help clarify what's going on.

Line 10 - Initialize

Line 20 - Blank out line before reading in characters.

Line 30 - Get a character, print to screen, no line feed, normal video.

Line 40 - If a <RETURN> then go off to print.

Line 50 - If a CTRL E end.

Line 60 - If a back space and no characters left, blank out line.

Line 70 - If a back space and more than 1 character, drop last character.

Line 80 - Good one. Add it to the line to be printed. Beep if > 75 characters.

Line 90 - If an <ESC> set inverse video. Line 100 - Get another character.

Line 130 - Prints a prompt and saves vertical cursor position. Goes to get line. Line 140 - If line length is zero, position cursor at first character position.

Line 150 - Turn on printer.

Line 170 - Prepare for lower case letters.

Line 180 - Loop through characters in line.

Line 200 - If <ESC>, flag for upper case and look at next character.

Line 210 - If not a letter do not try to print upper case.

Line 220 - Print the character. If a letter and preceded by <ESC>, capitalize.

Line 250 - Turn off printer.

Line 270 - Go back for another line.

```

10 GOTO 110
20 LINE$ = ""
30 GET A$: PRINT A$;: NORMAL
40 IF A$ = CHR$ (13) THEN RETURN

50 IF A$ = CHR$ (5) THEN END
60 IF A$ = CHR$ (8) AND LEN (L
   LINE$) <= 1 THEN LINE$ = ""
   : RETURN
70 IF A$ = CHR$ (8) AND LEN (L
   LINE$) > 1 THEN LINE$ = LEFT$
   (LINE$, LEN (LINE$) - 1): GOTO
   30
80 LINE$ = LINE$ + A$: IF LEN (L
   LINE$) > 75 THEN PRINT CHR$
   (7);
90 IF A$ = CHR$ (27) THEN INVERSE

100 GOTO 30
110 D$ = CHR$ (4)
120 HOME
130 PRINT "^^"; CV = PEEK (37): GOSUB
   20
140 IF LEN (LINE$) = 0 THEN POKE
   36,0: POKE 37,CV: GOTO 130
150 PRINT D$"PR#1"
160 PRINT CHR$ (9)"BON"
170 CAP = 32
180 FOR I = 1 TO LEN (LINE$)
190 CH$ = MID$ (LINE$,I,1)
200 IF ASC (CH$) = 27 THEN CAP =
   0: GOTO 240
210 IF ASC (CH$) < 65 OR ASC (
   CH$) > 90 THEN CAP = 0
220 PRINT CHR$ (ASC (CH$) + CA
   P);

230 CAP = 32
240 NEXT I
250 PRINT CHR$ (9)"I"
260 PRINT D$"PR#0"
270 GOTO 130
280 REM
290 REM "GET" INPUT
300 REM &
310 REM EPSON MX-80
320 REM
330 REM UPPER/LOWER CASE PRINT
340 REM
350 REM WRITTEN BY
360 REM
370 REM MIKE KRAMER

```

A WARNING TO THE MEMBERS OF H.A.A.U.G

I don't know why I assumed that anyone who owns an Apple and/or attends H.A.A.U.G. meetings would be an honest person. After all, all it takes is a little money to indulge in the hobby many of us enjoy so much. My assumption that everyone attending our meetings is honest cost me my "Best Games" disk at the February 28 Saturday meeting. Maybe I would still have it if I had labelled it "Worst Games"!

I can't say for sure who took the disk. I do know that a short time before, an adult male whom I don't know saw its catalog on my monitor as one of my young friends played the games. I had just left the assembly language course for a few minutes to see if my friend was having any problems. The gentleman then asked if he could copy the disk. Since there were several copyrighted programs on the disk I said that I couldn't. He pressed the matter, but I refused again and returned to the class. My friend continued playing the games, departing to go home after a short time. When I returned to my system after the class the games disk was gone. I cannot definitely say who took it, but I think I know. Unfortunately, I don't remember what he looked like. I had all but two of the lost programs on other disks, so my loss was only a \$5 disk and an hour or so of my time. I was glad I had a printout of the catalog. Unfortunately, I won't be bringing my system to meetings anymore. I rarely used it there anyway, since I spend most of my time trying to help others learn about and enjoy their Apples.

The main reason for my writing this is not to get your sympathy, but to let you know what can happen to your property. I actually feel fortunate that I didn't lose one of the cards I had in my carrying case or some of the other software which would have been harder to replace.

MIKE KRAMER



BULLETIN

P. O. BOX 976, DALY CITY, CALIFORNIA 94017 USA

Some bad/good news.

The bad, Steve Wozniak - the Woz - co-inventor of the APPLE, crashed his private plane a few weeks ago. Both he and his fiancée, Candy, suffered severe lacerations of the face. He also suffered a concussion and partial lapse of memory. He had just been transferred to El Camino Hospital in Mountain View, California, when I called him. He was quite concerned about Candy. He was overwhelmed by the concern and well wishes expressed by all the "APPLE people". He says he intends to fly again. The good news, both have been released from the hospital, and the prognosis is good.

CONTINUED NEXT PAGE

New:

• The latest version (??) of the APPLE II allows for easy modification by you (beware of voiding warranties) to enable the use of the shift key to get capital letters. Also, it seems to provide a socket for the SupR-term (80 column) board. Plus other goodies.

• Computer Data Services is marketing a Memory Management System which expands your APPLE by 10.5K of programmable memory by relocating DOS onto a 16K RAM expansion board language card for use in slot 0. Retail for less than \$50.

• More power to ya. M&R has come out with a beefed up power supply. The SupR switched external power supply looks just like a disk drive and supplies 60 watts, 6 amp at 5 volts or 1 amp at ± 12 volts, etc. Will retail for approximately \$295.

On Sunday, February 22, A.B.S. Computer Services of Olympia, Wash. was robbed and its owners, Henry and Laverne Rumberger, were killed. The following items (listed with serial numbers) were taken:

1. APPLE III, 128K 001065
2. APPLE II, 48K A2SA 152415
3. APPLE II, A2M030 11892
4. APPLE II, 48K w/controller 95802
5. DISK II w/controller 215227
6. BMC Monitor 65101709
7. Sony KB1276 TV 503527
8. Centronics Printer 12349
9. 2 IDS 440 Printers 315 and 316
10. Stockwatch 15N 5980

If you have any information on these items, call Detective Jones of the Olympia Police Department.

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